

EN

C 400

Compact, tough and versatile

SERIES™

CHASSIS TYPE



RUBBER WHEEL



CRAWLER



SKID FRAME



WHELLED



CSK SONDAJ Madencilik ve Mühendislik Ltd. Şti.

SERIES™

CSK ALTERNATİF MAKİNA SANAYİ TİCARET A.Ş.

Technical specifications

Drilling Capacity*	Metric	US
Drilling Capacity with HQWL (Casing)*	150 m (Max)	492 ft (Max)
Drilling Capacity with NQWL*	400 m (Max)	1312 ft (Max)
Drilling Capacity with BQWL*	600 m (Max)	1968 ft (Max)

Rotation Unit	Metric	US
Spindle Inner Diameter	78 mm	3.07"
Chuck Axial Holding Force	100 kN	22 000 lbf
Speed Range	0 - 900 rpm	
Maximum Torque	1 366 Nm	1 000 lbf

Rod Holder	Metric	US
Maximum Rod Size	114 mm	4.48"
Holding Force	22 kN-33 kN (TC)	4 840 lbf - 7 260

Feed Frame	Metric	US
Feed Force	65 kN	14 300 lbf
Pull Force	65 kN	14 300 lbf
Rod Running - Out	0,5 m/s	1.64 ft/s
Rod Running - in	1 m/s	3.3 ft/s

Feed Stroke	Short	850 mm	33.4"
	Standard	1 800 mm	71"
	Long	3 300 mm	130"
Feed Length	Short	2 150 mm	84.5"
	Standard	3 000 mm	118"
	Long	4 500 mm	177"

Power Unit	Metric	US
Diesel Engine	68-100 kW	92- 134.1 hp
Electric Motor	45-55 kW	60 - 73.7 hp

Main Pump

Flow	72 l/m	19 gals per min
Pressure	260 bar	3 045-3 770 psi

Service Pump

Flow	9 l/m	2.3 gals per min
Pressure	200 bar	2 900 psi

Auxiliary Pump

Flow	50 l/m	13.2 gals per min
Pressure	200 bar	2 900 psi

CSK-135 Mud Pump	Metric	US
Flow (Max.)	135 l/min	35.6 gal per min
Pressure (Max.)	70 bar	1 015 psi

* CSK cannot guarantee these capacities will be reached in all working conditions due to varying factors such as used, conditions of the ground and differences in operation.
** CSK-135 Mud Pump - Optional Equipment and Accessories

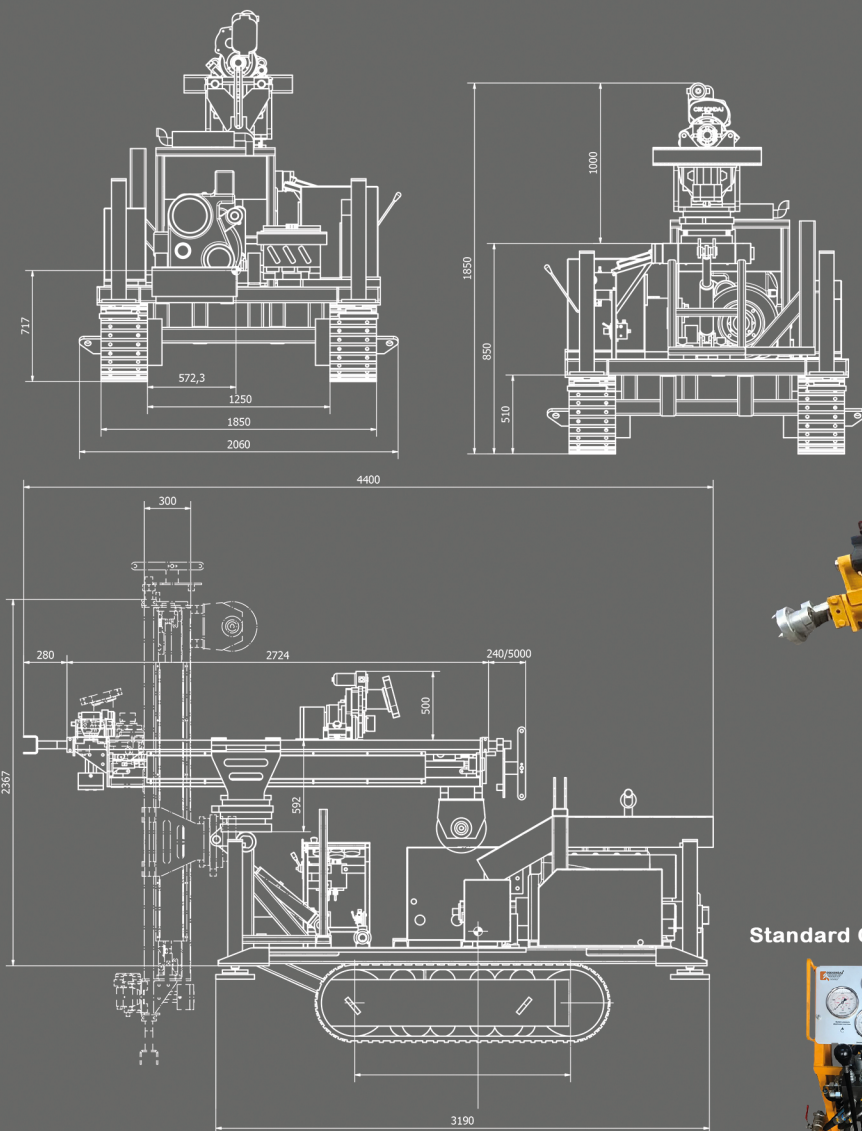
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C400 Core Drilling Rig

The C400 Underground core drilling rigs are advanced, versatile, compact units designed specifically for the underground environment. The ergonomically design provides the driller with a safe and comfortable work situation. C Series drill rigs are available in either skid or track mounted versions with a choice of feed lengths and rotation units. C Series drill rigs are suitable for both coring and drilling grout holes. CSK's C Series drill rigs together with DSParts's in-the-hole products provide the most productive, dependable and economical solution for underground core drilling.



Underground & Surface



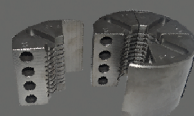
The hydraulic chuck on the rotation unit is synchronized with the rod holder



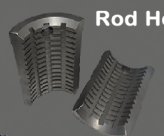
Hydraulic Rig Fixing Piston



Chuck jaw



Rod Holder jaw



Standard Control Unit



OPTIONAL



New Control Unit

Safe and fast rod handling
Simple and reliable chuck very few moving parts.
Double feed cylinders.
For quick rod handling at all depths.
Drill in any direction.



6 Cylinder Diesel Engine

OPTIONAL



Electrical Motor



2 Cylinder Diesel Engine

CSK-135 Mud Pump



Complete Diesel - Crawler
Total Weight : 4.950 kg



Drilling Rig Electric Motor
Walking System Diesel Engine
Total Weight : 2.950 kg



Electric Motor - Wheeled
Total Weight : 2.750 kg



Electric Motor - Skid Frame
Total Weight : 2.750 kg